

Compose the Engineer of the Future



Project

Present day engineers are taught with methods and content of yesterday for problems they will face tomorrow. Problems as framed in the grand engineering challenges, such as: urbanisation, energy transitions and artificial intelligence. In this emerging future world, the profession of engineering acquires new meaning and requires new roles and skills. This vision challenges education to reconsider “The Engineer” of the future, the accompanying roles and skills and the implementation in Education.

Objective

The 4TU.Centre for Engineering Education has started a Free Spirits Think Tank to define roles and skills of the future Engineers. The results

led to diverse and rich results. In 2017 4TU.CEE asked Reframing Studio to join the research by using the Vision in Design method to reframe the result to realise a meaningful vision of the engineer of the future with accompanying skills. And to realise a number of concept scenario’s to acquire these new skills for technically oriented university students in education.

Outcomes

The results of this design based study will be shared at the CDIO world conference 2018 and a booklet will be available via 4TU.CEE. Other dissemination workshops will be held in 2018.

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